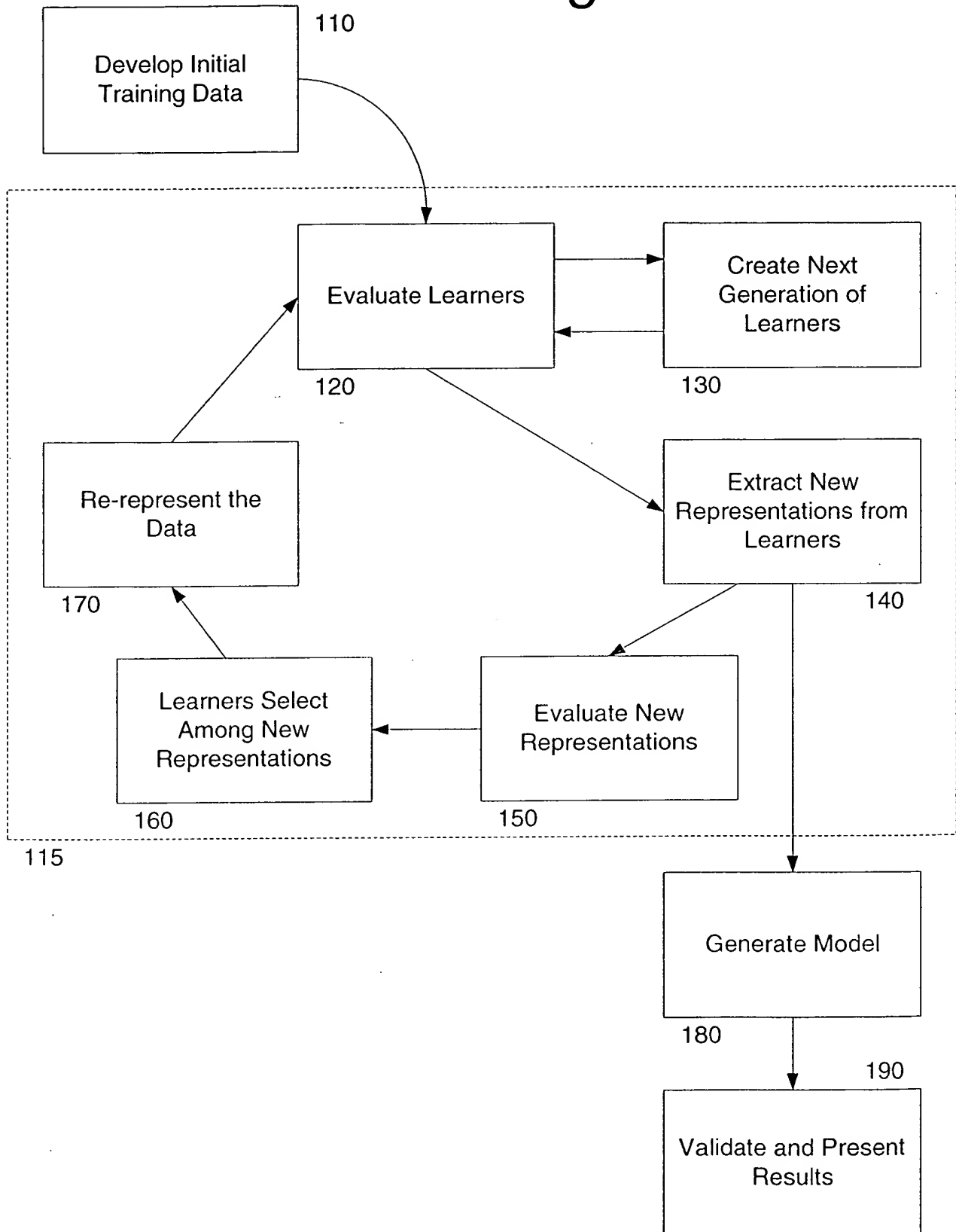


Figure 1



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# Figure 2

<u>FEATURE</u>	<u>VALUE</u>
AGE	220
AGEX	221
AMTPAIDYR1	222
AMTPAIDYR2	223
ANTENSCREEN	224
ANTENSCREENB	225
ANTEPARTUM	226
ANTEPARTUMB	227
BIRTHTYPE	228
BLACK	229
CCOMPLEX	230
COST20MN	231
COST20N	232
CPT5900	233
CPT5900B	234
CPT5942X	235
CPT5942XB	236
DELIVERYTYPE	237
FERDRUG	238
HISPANIC	239
HRPVISITS	240
HRPVISITSX	241
HRPVISITSB	242
INCOME	243
MCOMP	244
MCOMPLEX	245
MCOMPLEX1	246
MCOMPLEX2	247
MCOMPUNI	249
NPVISITSX	250
NPVISITSXB	251
PMANAGE	252
PMANAGEB	253
WHITE	254
ZIP	255
ZIPX	256

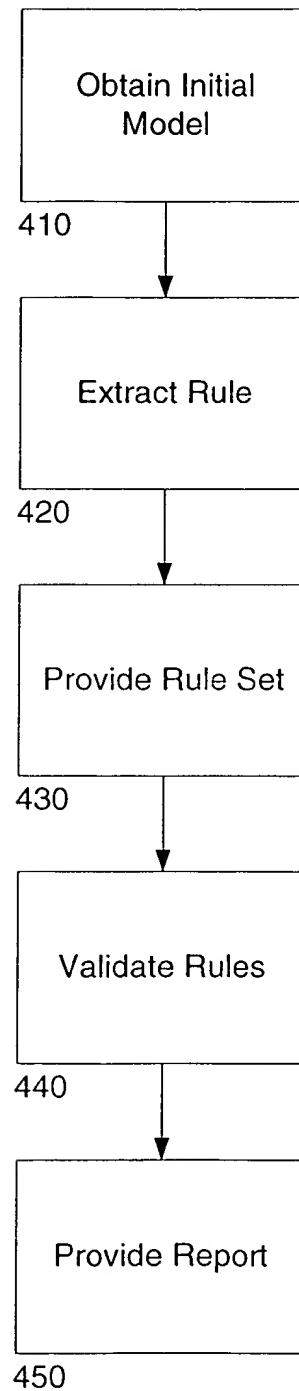
# Figure 3

		Outcome	
		Pos.	Neg.
Prediction	Pos.	<u>320</u>	<u>322</u>
	Neg.	<u>324</u>	<u>326</u>

310

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TOST90-20528860

Figure 4



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T05T90-20528860

Figure 5

510

Simulation 20

515a Rule 1:

520a FEATURE-256601 > -0.257896

525a → class T 530a [72.5%]

515b Rule 2:

520b FEATURE-256601 ≤ -0.257896

525b → class NIL 530b [89.2%]

Default class: NIL

540 FEATURE-256601:

(+ -7/5 (\* -17 (/ % MCOMP 24))

(\* -31/100 (- FERDRUG MCOMPUNI))

(\* -9/500 (- (TAN NPVISX) (\* AGEX MCOMP)))

(\* 1/156250 ANTENSCR) (\* 1/156250 ZIP)

(\* 11/500000 (+ AGEX ANTEPART) (TAN INCOME))

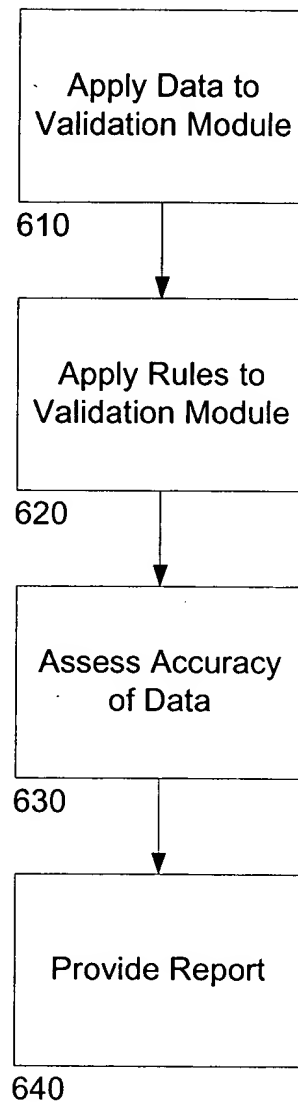
(\* 59/10000 AGEX) (\* 59/10000 ANTEPART)

(\* 49/5000 (SQR (- MCOMP FERDRUG)))

(\* 1/100 (TAN NPVISX)))

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# Figure 6



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TEST 90-20528860

# Figure 7

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	720	720	720	
<b>Simulation #</b>	<u>      </u>	<u>      </u>	<u>      </u>	
<b>Definition:</b>	<u>      </u>	<u>      </u>	<u>      </u>	722
<b>Number of:</b>				
Positive cases	<u>      </u>	<u>      </u>	<u>      </u>	724
Negative cases	<u>      </u>	<u>      </u>	<u>      </u>	726
Negative controls	<u>      </u>	<u>      </u>	<u>      </u>	728
<b>Control Selection</b>	<u>      </u>	<u>      </u>	<u>      </u>	730
<b>Input Features:</b>				
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	732
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	
<b>Simulation Output:</b>				734
Number of rules	<u>      </u>	<u>      </u>	<u>      </u>	736
Model Complexity	<u>      </u>	<u>      </u>	<u>      </u>	738
<b>Test Model Accuracy:</b>				740
Sensitivity	<u>      </u>	<u>      </u>	<u>      </u>	
Specificity	<u>      </u>	<u>      </u>	<u>      </u>	
Pos. Predic. Value	<u>      </u>	<u>      </u>	<u>      </u>	
Neg. Predic. Value	<u>      </u>	<u>      </u>	<u>      </u>	
<b>Validation Model Accuracy:</b>				750
Sensitivity	<u>      </u>	<u>      </u>	<u>      </u>	
Specificity	<u>      </u>	<u>      </u>	<u>      </u>	
Pos. Predic. Value	<u>      </u>	<u>      </u>	<u>      </u>	
Neg. Predic. Value	<u>      </u>	<u>      </u>	<u>      </u>	

# Figure 8

Machine  
Learners

FOI 90-20528860

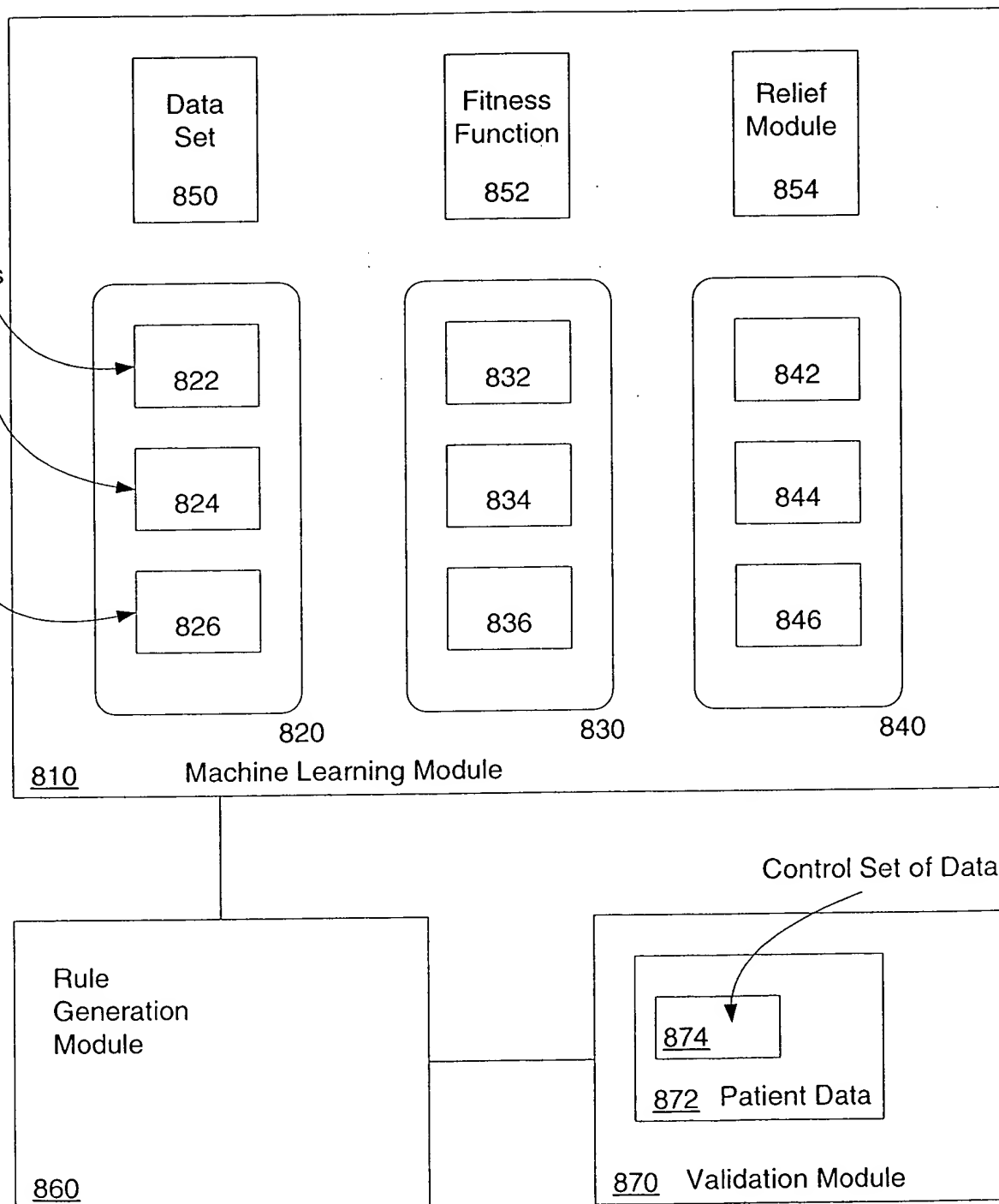
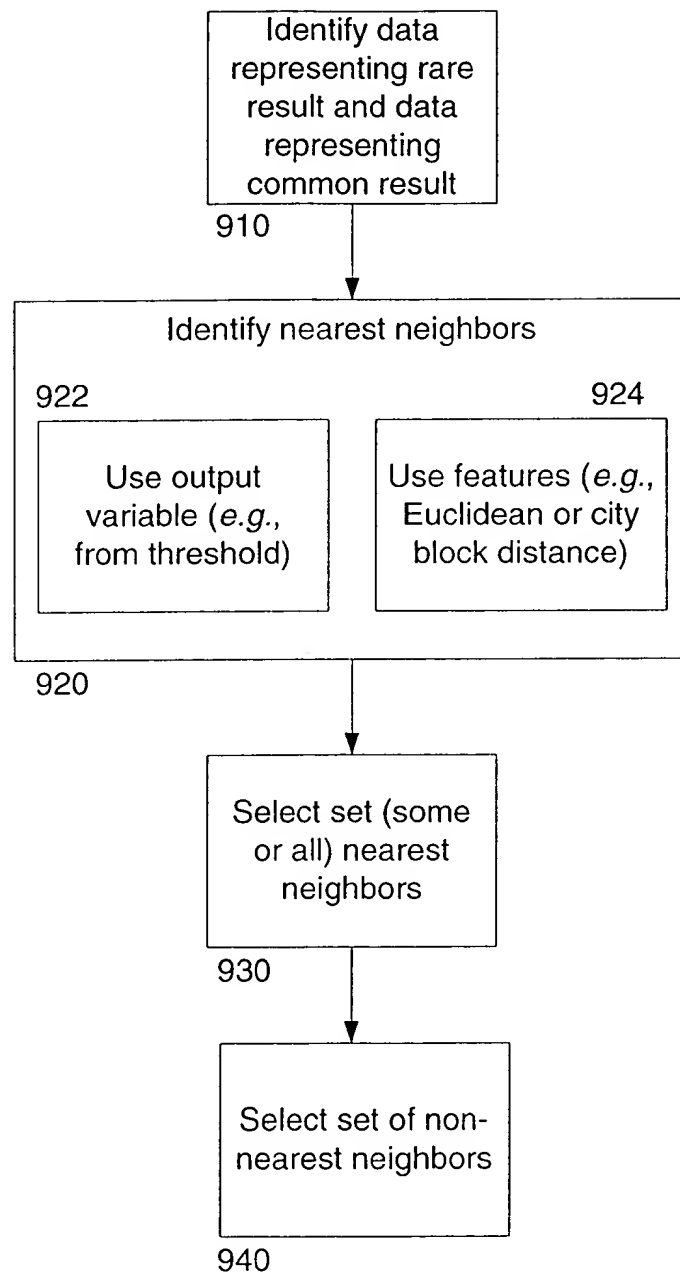




Figure 9



09882502-061501  
T05T90-20528860